

PATNO IS 6168626

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LEVEL 1 - 1 PATENT

1. 6168626 , January 2, 2001 , Ultra high molecular weight polyethylene molded article for artificial joints and method of preparing the same, Hyon, Suong-Hyu - Uji, Japan (JP); Oka, Masanori - Nara, Japan (JP), 640738 (08), BMG Incorporated, Kyoto, Japan (JP), 03

CORE TERMS: molded, orientation, artificial, molecular, crystal, abrasion, friction, cooling, irradiation, compression ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6168626

January 2, 2001

Ultra high molecular weight polyethylene molded article for
artificial joints and method of preparing the same

REISSUE: May 8, 2002 - Reissue Application filed Ex. Gp.: 3738; Re. S.N.
10/141,374 (O.G. November 12, 2002)

APPL-NO: 640738 (08)

FILED-DATE: May 6, 1996

GRANTED-DATE: January 2, 2001

CORE TERMS: molded, orientation, artificial, molecular, crystal, abrasion,
friction, cooling, irradiation, compression ...

ENGLISH-ABST:

An ultra high molecular weight polyethylene molded article for artificial joints has molecular orientation or crystal orientation in the molded article, and is low in friction and is superior in abrasion resistance, and therefore is available as components for artificial joints. Further, the ultra high molecular weight polyethylene molded article for artificial joints can be used as a component for artificial hip joints (artificial acetabular cup), a component for artificial knee joints (artificial tibial insert) and the socket for artificial elbow joints, and in addition to the medical use, it can be applied as materials for various industries by utilizing the characteristics such as low friction and superior abrasion resistance.

6168626 OR 6,168,626

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